

Abstract:

The invention relates to a filter press (1) for filtering suspensions. Said press consists of a holder (2), a support plate (3) fixed thereto, a displaceable pressure plate (5) and a packet of vertical filter plates (6) that are arranged between the support plate (3) and the pressure plate (5). Each filter chamber that is situated between two filter plates (6) is defined by at least one filter cloth (7K) which is guided in an S-shaped manner around two horizontally oriented reversing bodies (10). The reversing bodies (10) can be moved vertically and in relation to the allocated filter cloth (7) by means of two lifting elements (14) of a lifting device. Said elements are arranged on two opposite longitudinal sides of the filter press (1) and can be coupled to carriers (21) which protrude on the face and pertain to the reversing bodies (10). The aim of the invention is to improve access to the filter plates (6) and reduce the constructional complexity of the lifting device. To this end, the length of the lifting device only amounts to a fraction of the length pertaining to the filter plate packet, whereby said first length is parallel in relation to a longitudinal axis of the filter press (1). The lifting device can be moved in parallel to the longitudinal axis of the filter press (1) and is rigidly connected to the lifting elements (14) in said direction.